

MONTGOMERY -- 09/991,527
Client/Matter: 042503-0259666

IN THE SPECIFICATION:

After the title, insert the following paragraph:

This application is a continuation-in-part of U.S. Appln. No. 09/727,096 entitled "Method And Apparatus For Encoding Information Using Multiple Passes And Decoding In A Single Pass" filed on November 29, 2000.

Replace paragraph [00023] with the following paragraph:

[00023] With respect to the set-up of each camera, the individual camera 110 not only needs to be set-up and connected with the system using the local user interface module 210-5, but also needs to be configured to operate properly. In this regard, the local front end processing module 210-1 is preferably used to properly configure the camera to operate as effectively as it can. Configuring the individual camera 110 using the local user interface module 210-5 is described in U.S. Patent Application Serial No. 09/991,528 filed November 21, 2001 entitled "Method And System For Size Adaptation And Storage Minimization, Source Noise Correction, And Source Watermarking Of Digital Data Frames" ~~filed on the same day as this application,~~ which is assigned to the same assignee as the present invention, ~~and which bears attorney reference 042503/0273340,~~ the contents of which are hereby expressly incorporated by reference herein.

Replace paragraph [00027] with the following paragraph:

[00027] Both the local pattern recognition module 210-2 and network pattern recognition module 210-12 can use a variety of pattern recognition techniques, but preferably use pattern recognition techniques as described in U.S. Appln. No. 09/999,776 ~~bearing attorney reference number 042503/0259665~~ entitled "Method And Apparatus For Determining Patterns Within Adjacent Blocks Of Data," filed on October 31, 2001, which is assigned to the same assignee as the present invention, can be used to perform pattern recognition and compression, and the contents of which are expressly incorporated by reference herein.

Replace paragraph [00028] with the following paragraph

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[00028] Differences between the local pattern recognition module 210-2 and the network pattern recognition module 210-12 exist. One significant difference, typically, is that while the local pattern recognition module 210-2 typically operates upon uncompressed data as described in U.S. Appln. No. 09/999,776 filed October 31, 2001 ~~bearing attorney reference number 042503/0259665~~ entitled "Method And Apparatus For Determining Patterns Within Adjacent Blocks Of Data" referenced above, the network pattern recognition module 210-12 will operate upon data in a compressed form.

Replace paragraph [00032] with the following paragraph:

[00032] A limiting factor in the ability of the system 100 to track external patterns is that the system 100 is already obtaining data from various cameras 110 and compressing that data as described above. In order to perform that task alone, substantial processing power is required, leaving only some percentage, based upon the computing power available, to track external patterns of objects. Thus, the network interface module 210-15 will keep track of the priority of each external pattern that will be searched for based upon the input from each camera 110. Certain of the highest priority external patterns are distributed to computers 120 in an uncompressed form, using a sufficient number of points, such as 25, that allows for sufficiently accurate pattern detection in vector form using (x,y) offsets as is known, for pattern recognition that takes place using another processor thread for the purpose of searching for a particular pattern, as described in U.S. Appln. No. 09/999,776 filed October 31, 2001 ~~bearing attorney reference number 042503/0259665~~ entitled "Method And Apparatus For Determining Patterns Within Adjacent Blocks Of Data" reference above. Lower priority external patterns are retained on the server 130 in compressed form, and are searched for within the server 130 in the manner discussed above.

Replace paragraph [00034] with the following paragraph:

[00034] Operations using pattern detection, whether using the pattern detection techniques described in U.S. Appln. No. 09/999,776 filed October 31, 2001 ~~bearing attorney reference number 042503/0259665~~ entitled "Method And Apparatus For Determining Patterns Within Adjacent Blocks Of Data" referenced above or other conventional techniques are further described in other applications. These applications include U.S. Patent Application No.

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09/990,868 filed November 21, 2001 bearing attorney reference number 042503/0273341 entitled "Method And Apparatus For Detecting And Reacting To Occurrence Of An Event" ~~filed on the same day as this application~~, U.S. Patent Application No. 09/991,490 filed November 21, 2001 bearing attorney reference number 042503/0269273 entitled "System And Method For Generating Alert Conditions In A Surveillance System" ~~filed on the same day as this application~~ and U.S. Patent Application No. 09/991,531 filed November 21, 2001 bearing attorney reference number 042503/0273332 entitled "Data Gathering For Games Of Chance" ~~filed on the same day as this application~~, each of these applications being assigned to the same assignee as the present invention, and the contents of each of these application being expressly incorporated by reference herein. Each of the pattern recognition operations described in these applications can be implemented by the system 100 described herein, if desired.

Replace paragraph [00038] with the following paragraph:

[00038] The local priority data storage module 210-6 and network priority data storage module 210-16 keep track of the data stored on each of the computers 120 and server 130, respectively. These priority data storage modules are different than data backup, and assume a worst-case scenario that no data backup has occurred. In essence, both the local priority data storage module 210-6 and network priority data storage module 210-16 operate in the same manner --to keep that data which is most important. Specifics on how data is differentiated and these modules operate are described in U.S. Application No. 09/991,487 filed November 21, 2001 bearing attorney reference number 042503/0273342 entitled "System And Method For Managing Memory In A Surveillance System" ~~filed on the same day as this application~~] and which is assigned to the same assignee as the present invention, the contents of which are expressly incorporated by reference herein.

Replace paragraph [00041] with the following paragraph:

[00041] In certain buildings, airports and the like, there can be various levels of security established at various locations. At an airport, for instance, the initial gate entry area represents one level of security, and the actual gate can represent another level of security. In a casino, jewelry store, or financial institution, an entry one can represent one level of security and a vault within represent another level of security. Comparisons of images from these related areas, and

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generating alerts and other information based thereupon, as further described in the applications entitled U.S. Patent Application No. 09/990,868 filed November 21, 2001 ~~bearing attorney reference number 042503/0273341~~ entitled "Method And Apparatus For Detecting And Reacting To Occurrence Of An Event", U.S. Patent Application No. 09/991,490 filed November 21, 2001 ~~bearing attorney reference number 042503/0269273~~ entitled "System And Method For Generating Alert Conditions In A Surveillance System", and U.S. Patent Application No. 09/991,531 filed November 21, 2001 ~~bearing attorney reference number 042503/0273332~~ entitled "Data Gathering For Games Of Chance", referenced above, can be used in these environments. Certain characteristics of each environment can be used in making comparisons. For example, in a jewelry store, comparisons can be made between a mask of an unbroken glass display case, such that if the case breaks, an alert can be sounded.